


```

; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-10
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-10
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-10
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-10
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-10
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-10
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-10
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-10
; PRIOR APPLICATION NUMBER: US 60/244,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 09/608,408
; PRIOR FILING DATE: 2000-06-10
; PRIOR APPLICATION NUMBER: US 00/774,263
; PRIOR FILING DATE: 2001-01-29
; NUMBER OF SEQ ID NOS: 4917
; SOFTWARE: Anomax Sequence Listing Engine v0.1.1
; SEQ ID NO 20934
; LENGTH: 90
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO AL031116.1
; OTHER INFORMATION: EXPRESSED IN HONE MARROW, SIGNAL = 1.8
; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 2.1
; OTHER INFORMATION: EXPRESSED IN HBL100, SIGNAL = 1.8
; OTHER INFORMATION: EXPRESSED IN BT474, SIGNAL = 1.9
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 1.9
; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 2.5
; OTHER INFORMATION: EXPRESSED IN HEPA, SIGNAL = 1.2
; OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 1.6
; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 2.2
; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 1.9
; OTHER INFORMATION: EST_HUMAN HIT: AAA42133.1, EVALUATE 2.00e-05
US 09-864-761-20934

```

```

Alignment Scores:
Pred. No.: 42 Length: 90
Score: 24.00 Matches: 5
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
Gaps: 0

```

```
US 09-856-070 18 (1-5) x US 09-864-761-20934 (1-90)
```

```
QY 1 LysGluGluLeuMet 5
Db 23 AAGAGAGAGCTCATG 47

```

```
RESULT 2
```

```

; Sequence 5596, Application US/09/2940934
; Patent No. US20010051335A1
; GENERAL INFORMATION:
; APPLICANT: Lalquidi, Radhuanath, V.
; APPLICANT: Ito, Laura, Y.
; TITLE OF INVENTION: POLYPEPTIDES AND POLYPEPTIDES DERIVED FROM CORN TASSEL
; FILE REFERENCE: PL-0009 US
; CURRENT APPLICATION NUMBER: US/09/294,093B
; CURRENT FILING DATE: 1999-04-16
; PRIOR APPLICATION NUMBER: 60/082,567
; PRIOR FILING DATE: April 21, 1998
; NUMBER OF SEQ ID NOS: 6207
; SOFTWARE: PERL Program

```

```

; SEQ ID NO 5596
; LENGTH: 223
; TYPE: DNA
; ORGANISM: zea mays
; FEATURE:
; NAME/KEY: misc_feature
; OTHER INFORMATION: byte id No 9520010051335A1 700357462H1
; NAME/KEY: UNSURE
; LOCATION: 58-59, 64, 100, 145
; OTHER INFORMATION: a, t, c, g, or other
US 09-294-0934-5596

```

```

Alignment Scores:
Pred. No.: 113 Length: 223
Score: 24.00 Matches: 5
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
Gaps: 0

```

```
US-09-856-070-18 (1-5) x US-09-294-0934-5596 (1-223)
```

```
QY 1 LysGluGluLeuMet 5
```

```
Db 152 AAGAGAGAGCTCATG 166
```

```
RESULT 3
```

```

; Sequence 9375, Application US/09/796,692
; Publication No. US20020198362A1
; GENERAL INFORMATION:
; APPLICANT: Gaiger, Alexander
; APPLICANT: Alqaht, Paul A.
; APPLICANT: Mannion, Jane

```

```

; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE DETECTION, DIAGNOSIS AND THER
; FILE REFERENCE: 2077.001200
; CURRENT APPLICATION NUMBER: US/09/796,692
; CURRENT FILING DATE: 2001-03-01
; PRIOR APPLICATION NUMBER: 60/186,126
; PRIOR FILING DATE: 2000-03-01
; PRIOR APPLICATION NUMBER: 60/190,479
; PRIOR FILING DATE: 2000-03-17
; PRIOR APPLICATION NUMBER: 60/200,545
; PRIOR FILING DATE: 2000-04-27
; PRIOR APPLICATION NUMBER: 60/200,303
; PRIOR FILING DATE: 2000-04-28
; PRIOR APPLICATION NUMBER: 60/200,779
; PRIOR FILING DATE: 2000-04-28
; PRIOR APPLICATION NUMBER: 60/200,999
; PRIOR FILING DATE: 2000-05-01
; PRIOR APPLICATION NUMBER: 60/202,084
; PRIOR FILING DATE: 2000-05-04
; PRIOR APPLICATION NUMBER: 60/206,201
; PRIOR FILING DATE: 2000-05-22
; PRIOR APPLICATION NUMBER: 60/218,950
; PRIOR FILING DATE: 2000-07-14
; PRIOR APPLICATION NUMBER: 60/222,903
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: 60/223,416
; PRIOR FILING DATE: 2000-08-04
; PRIOR APPLICATION NUMBER: 60/223,378
; PRIOR FILING DATE: 2000-08-07

```

```

; NUMBER OF SEQ ID NOS: 9597
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 9375
; LENGTH: 242
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-796-692-9375

```

```
Alignment Scores:
Pred. No.: 124 Length: 242
```

Score: 24.00 Matches: 5
Percent Similarity: 100.00% Conservations: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 9 Gaps: 0

US-09-856-070-18 (1-5) x US-09-706-602-0375 (1-242)

QY 1 LysGluGluLeuMet 5
DB 101 AAGAGGAGCTGATG 115
|||||

RESULT 4

US-09-923-876-2221/c
Sequence 2221, Application US/09/04/075
Patent No. US20020033958A1
GENERAL INFORMATION:
APPLICANT: Lalauadi, Raghunath V.
APPLICANT: Kaniyakkal, Laura Y. (to)
TITLE OF INVENTION: POLYPEPTIDES AND POLYPEPTIDES DERIVED FROM CORN SEEDLING;
FILE REFERENCE: PI-001211 CON
CURRENT APPLICATION NUMBER: US/09/023,876
CURRENT FILING DATE: 2001-08-06
PRIOR APPLICATION NUMBER: 09/298,329
PRIOR FILING DATE: 1999-04-27
PRIOR APPLICATION NUMBER: 60/385,331
PRIOR FILING DATE: 1998-05-05
NUMBER OF SEQ ID NOS: 6332
SOFTWARE: PERL Program
SEQ ID NO 2221
LENGTH: 258
TYPE: DNA
ORGANISM: Zea mays
FEATURE:
NAME/KEY: misc feature
OTHER INFORMATION: Incode ID NO US20020033958A1 2001-04-24/1
NAME/KEY: unsure
LOCATION: 112
OTHER INFORMATION: a, t, c, g, or other
US-09-923-876-2221

Alignment Scores:
Prod. No.: 133 Length: 258
Score: 24.00 Matches: 5
Percent Similarity: 100.00% Conservations: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 10 Gaps: 0

US-09-856-070-18 (1-5) x US-09-923-876-2221 (1-258)

QY 1 LysGluGluLeuMet 5
DB 83 AAGAGGAGCTGATG 69
|||||

RESULT 5

US-09-864-761-20697
Sequence 20697, Application US/09/06/64761
Patent No. US20020048763A1
GENERAL INFORMATION:
APPLICANT: Penn, Sharon G.
APPLICANT: Rank, David R.
APPLICANT: Hanzel, David K.
APPLICANT: Chen, Wensheng
TITLE OF INVENTION: HUMAN GENOME-DEIVED SINGLE EXON NUCLEOTIC ACID PROBES USEFUL FOR
FILE REFERENCE: Acomica-X-1
CURRENT APPLICATION NUMBER: US/09/864,761
CURRENT FILING DATE: 2001-05-23
PRIOR APPLICATION NUMBER: US 60/180,312
PRIOR FILING DATE: 2000-02-04
PRIOR APPLICATION NUMBER: US 60/207,456

PRIOR FILING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: US 09/642,466
PRIOR FILING DATE: 2000-08-03
PRIOR APPLICATION NUMBER: GB 242663.6
PRIOR FILING DATE: 2000-10-04
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR FILING DATE: 2000-09-27
PRIOR APPLICATION NUMBER: PCT/US01/00666
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00667
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00664
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00669
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00665
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00668
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00663
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00662
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00661
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00670
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: US 60/234,687
PRIOR FILING DATE: 2000-09-21
PRIOR APPLICATION NUMBER: US 09/608,408
PRIOR FILING DATE: 2000-06-30
PRIOR APPLICATION NUMBER: US 09/774,203
PRIOR FILING DATE: 2001-01-29
NUMBER OF SEQ ID NOS: 49117
SOFTWARE: Annonax Sequence Listing Engine vers. 1.1
SEQ ID NO 20697
LENGTH: 301
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
OTHER INFORMATION: MAP TO AL034350.2
OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 1.3
OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 2.2
OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 2.6
OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 3.3
OTHER INFORMATION: EXPRESSED IN HRL100, SIGNAL = 1.6
OTHER INFORMATION: EXPRESSED IN HRLA, SIGNAL = 1.5
OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 2
OTHER INFORMATION: EXPRESSED IN HU474, SIGNAL = 1.4
OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 1.8
OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 1.2
OTHER INFORMATION: NT HIT: AF149773.1, EVALUATE 1.00e-114
OTHER INFORMATION: EST_HUMAN HIT: BE150340.1, EVALUATE 1.00e-112
OTHER INFORMATION: SWISSPROT HIT: P10272, EVALUATE 5.00e-26
US-09-864-761-20697

Alignment Scores:
Prod. No.: 157 Length: 301
Score: 24.00 Matches: 5
Percent Similarity: 100.00% Conservations: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 10 Gaps: 0

US-09-856-070-18 (1-5) x US-09-864-761-20697 (1-301)

QY 1 LysGluGluLeuMet 5

DB 132 AAGAGGAGCTGATG 145
|||||

RESULT 6

US-09-764-869-1330
Sequence 1330, Application US/09/764869

```

; Patent No. US20020061521A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PC007
; CURRENT APPLICATION NUMBER: US/09/764,869
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - refer to PALM or file wrapper
; NUMBER OF SEQ ID NOS: 2442
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1330
; LENGTH: 420
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-764-869-1330

Alignment Scores:
Pred. No.: 168 Length: 320
Score: 24.00 Matches: 5
Percent Similarity: 100.00% Conservatives: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 10 Gaps: 0

US-09-856-070-18 (1-5) x US-09-764-869-1330 (1-320)

QY 1 LysGluGluLeuMet 5
Db 141 AAAGAAGCTTAAAG 155

RESULT 7
US-09-764-869-37
; Sequence 37, Application US/09/764,869
; Patent No. US20020061521A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PC007
; CURRENT APPLICATION NUMBER: US/09/764,869
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - refer to PALM or file wrapper
; NUMBER OF SEQ ID NOS: 2442
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 47
; LENGTH: 323
; TYPE: DNA
; ORGANISM: Homo sapiens
; NAME/KEY: SITE
; LOCATION: (31)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: SITE
; LOCATION: (294)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: SITE
; LOCATION: (321)
; OTHER INFORMATION: n equals a,t,g, or c
US-09-764-869-37

Alignment Scores:
Pred. No.: 170 Length: 323
Score: 24.00 Matches: 5
Percent Similarity: 100.00% Conservatives: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 10 Gaps: 0

US-09-856-070-18 (1-5) x US-09-764-869-37 (1-323)

QY 1 LysGluGluLeuMet 5
Db 141 AAAGAAGCTTAAAG 155

```

```

RESULT 8
US-09-969-708-477/c
; Sequence 477, Application US/09/969,708
; Patent No. US20020102532A1
; GENERAL INFORMATION:
; APPLICANT: Augustus, Meena
; TITLE OF INVENTION: Cancer Gene Determination and Therapeutic Screening Using Sign
; FILE REFERENCE: 689290-70
; CURRENT APPLICATION NUMBER: US/09/969,708
; CURRENT FILING DATE: 2001-10-03
; PRIOR APPLICATION NUMBER: US/60/237,606
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: US/60/237,608
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: US/60/237,425
; PRIOR FILING DATE: 2000-10-03
; NUMBER OF SEQ ID NOS: 658
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 477
; LENGTH: 362
; TYPE: DNA
; ORGANISM: Homosapiens
US-09-969-708-477

Alignment Scores:
Pred. No.: 193 Length: 362
Score: 24.00 Matches: 5
Percent Similarity: 100.00% Conservatives: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 10 Gaps: 0

US-09-856-070-18 (1-5) x US-09-969-708-477 (1-362)

QY 1 LysGluGluLeuMet 5
Db 211 AAGGAAGAAATGATG 197

RESULT 9
US-09-770-791-124/c
; Sequence 124, Application US/09/770,791
; Patent No. US20020062014A1
; GENERAL INFORMATION:
; APPLICANT: Gotlach, Jorn
; APPLICANT: An, Yong-Qiang
; APPLICANT: Hamilton, Carol M.
; APPLICANT: Price, Jennifer L.
; APPLICANT: Raines, Tracy M.
; APPLICANT: Yu, Yanq
; APPLICANT: Ramcaka, Joshua G.
; APPLICANT: Page, Amy
; APPLICANT: Matthew, Abraham V.
; APPLICANT: Ledford, Brooke L.
; APPLICANT: Woessner, Jeffrey P.
; APPLICANT: Haas, William David
; APPLICANT: Garcia, Carlos A.
; APPLICANT: Kricker, Maja
; APPLICANT: Slader, Ted
; APPLICANT: Davis, Keith R.
; APPLICANT: Allen, Keith
; APPLICANT: Hoffman, Neil
; APPLICANT: Hurban, Patrick
; TITLE OF INVENTION: Expressed Sequences of Arabidopsis
; FILE REFERENCE: 2029 (PAPA-018PRV)
; CURRENT APPLICATION NUMBER: US/09/770,791
; CURRENT FILING DATE: 2001-01-26
; PRIOR APPLICATION NUMBER: 60/178,480
; PRIOR FILING DATE: 2000-01-27
; NUMBER OF SEQ ID NOS: 999
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 124

```

```

? LENGTH: 384
? TYPE: DNA
? ORGANISM: Arabidopsis thaliana
US-09-770-791-124

Alignment Scores:
Pred. No.: 205 Length: 384
Score: 24.00 Matches: 5
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 10 Gaps: 0

```

US-09-856-070-18 (1-5) x US-09-770-791-124 (1-384)

```

QY 1 LysGluGluLeuMet 5
DB 327 AAGGAAGAGCTAATG 313

```

RESULT 10

```

? Sequence 3934, Application US/09864761
? Patent No. US20020048763A1
? GENERAL INFORMATION:
? APPLICANT: Penn, Sharon G.
? APPLICANT: Rank, David K.
? APPLICANT: Hanzel, David K.
? APPLICANT: Chen, Wensheng
? TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
? FILE REFERENCE: Acomica-X-1
? CURRENT APPLICATION NUMBER: US/09/864,761
? PRIOR FILING DATE: 2001-05-23
? PRIOR APPLICATION NUMBER: US 60/180,312
? PRIOR FILING DATE: 2000-02-04
? PRIOR APPLICATION NUMBER: US 60/207,456
? PRIOR FILING DATE: 2000-05-26
? PRIOR APPLICATION NUMBER: US 09/632,366
? PRIOR FILING DATE: 2000-08-03
? PRIOR APPLICATION NUMBER: GB 24263,6
? PRIOR FILING DATE: 2000-10-04
? PRIOR APPLICATION NUMBER: US 60/236,359
? PRIOR FILING DATE: 2000-09-27
? PRIOR APPLICATION NUMBER: PCT/US01/00666
? PRIOR FILING DATE: 2001-01-30
? PRIOR APPLICATION NUMBER: PCT/US01/00667
? PRIOR FILING DATE: 2001-01-30
? PRIOR APPLICATION NUMBER: PCT/US01/00664
? PRIOR FILING DATE: 2001-01-30
? PRIOR APPLICATION NUMBER: PCT/US01/00666
? PRIOR FILING DATE: 2001-01-30
? PRIOR APPLICATION NUMBER: PCT/US01/00662
? PRIOR FILING DATE: 2001-01-30
? PRIOR APPLICATION NUMBER: PCT/US01/00661
? PRIOR FILING DATE: 2001-01-30
? PRIOR APPLICATION NUMBER: PCT/US01/00670
? PRIOR FILING DATE: 2001-01-30
? PRIOR APPLICATION NUMBER: US 60/234,687
? PRIOR FILING DATE: 2000-09-21
? PRIOR APPLICATION NUMBER: US 09/608,408
? PRIOR FILING DATE: 2000-06-30
? PRIOR APPLICATION NUMBER: US 09/774,203
? PRIOR FILING DATE: 2001-01-29
? NUMBER OF SEQ ID NOS: 49117
? SOFTWARE: Anomax Sequence Listing Engine vers. 1.1
? SEQ ID NO 3934
? LENGTH: 385

```

```

? TYPE: DNA
? ORGANISM: Homo sapiens
? FEATURE:
? OTHER INFORMATION: MAP TO AL034350.2
? OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL - 1.3
? OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL - 2.2
? OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL - 2.6
? OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL - 3.3
? OTHER INFORMATION: EXPRESSED IN HEL100, SIGNAL - 1.6
? OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL - 1.5
? OTHER INFORMATION: EXPRESSED IN HEAT, SIGNAL - 2
? OTHER INFORMATION: EXPRESSED IN HT474, SIGNAL - 1.4
? OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL - 1.8
? OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL - 1.2
US-09-864-761-3934

```

Alignment Scores:

```

Pred. No.: 206 Length: 385
Score: 24.00 Matches: 5
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 10 Gaps: 0

```

US-09-856-070-18 (1-5) x US-09-864-761-3934 (1-385)

```

QY 1 LysGluGluLeuMet 5
DB 349 AAGGAAGATTAATG 363

```

RESULT 11

```

US-09-864-761-4165/c
? Sequence 4165, Application US/09864761
? Patent No. US20020048763A1
? GENERAL INFORMATION:
? APPLICANT: Penn, Sharon G.
? APPLICANT: Rank, David K.
? APPLICANT: Hanzel, David K.
? APPLICANT: Chen, Wensheng
? TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FO
? FILE REFERENCE: Acomica-X-1
? CURRENT APPLICATION NUMBER: US/09/864,761
? PRIOR FILING DATE: 2001-05-23
? PRIOR APPLICATION NUMBER: US 60/180,312
? PRIOR FILING DATE: 2000-02-04
? PRIOR APPLICATION NUMBER: US 60/207,456
? PRIOR FILING DATE: 2000-05-26
? PRIOR APPLICATION NUMBER: US 09/632,366
? PRIOR FILING DATE: 2000-08-03
? PRIOR APPLICATION NUMBER: GB 24263,6
? PRIOR FILING DATE: 2000-10-04
? PRIOR APPLICATION NUMBER: US 60/236,359
? PRIOR FILING DATE: 2000-09-27
? PRIOR APPLICATION NUMBER: PCT/US01/00666
? PRIOR FILING DATE: 2001-01-30
? PRIOR APPLICATION NUMBER: PCT/US01/00667
? PRIOR FILING DATE: 2001-01-30
? PRIOR APPLICATION NUMBER: PCT/US01/00664
? PRIOR FILING DATE: 2001-01-30
? PRIOR APPLICATION NUMBER: PCT/US01/00669
? PRIOR FILING DATE: 2001-01-30
? PRIOR APPLICATION NUMBER: PCT/US01/00665
? PRIOR FILING DATE: 2001-01-30
? PRIOR APPLICATION NUMBER: PCT/US01/00668
? PRIOR FILING DATE: 2001-01-30
? PRIOR APPLICATION NUMBER: PCT/US01/00663
? PRIOR FILING DATE: 2001-01-30
? PRIOR APPLICATION NUMBER: PCT/US01/00662
? PRIOR FILING DATE: 2001-01-30
? PRIOR APPLICATION NUMBER: PCT/US01/00661
? PRIOR FILING DATE: 2001-01-30
? PRIOR APPLICATION NUMBER: PCT/US01/00670

```

```

1 PRIOR FILING DATE: 2001-01-10
2 PRIOR APPLICATION NUMBER: US 60/234,687
3 PRIOR FILING DATE: 2000-09-21
4 PRIOR APPLICATION NUMBER: US 09/608,408
5 PRIOR FILING DATE: 2000-06-10
6 PRIOR APPLICATION NUMBER: US 09/774,203
7 PRIOR FILING DATE: 2001-01-29
8 NUMBER OF SEQ ID NOS: 4917
9 SOFTWARE: Anomax Sequence Listing Engine vers. 1.1
10 SEQ ID NO 4165
11 LENGTH: 388
12 TYPE: DNA
13 ORGANISM: Homo sapiens
14 FEATURE:
15 OTHER INFORMATION: MAP TO AC009646.2
16 OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL - 2.3
17 OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL - 2.2
18 OTHER INFORMATION: EXPRESSED IN H1474, SIGNAL - 1.8
19 OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL - 1.7
20 OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL - 2.4
21 OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL - 2.6
22 OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL - 1.9
23 OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL - 2.3
24 OTHER INFORMATION: EXPRESSED IN HHT100, SIGNAL - 2.1
25 OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL - 2.6
26 US-09-864-761-4165
27
28 Alignment Scores:
29 Pred. No.: 208 Length: 388
30 Score: 24.00 Matches: 5
31 Percent Similarity: 100.00% Conservative: 0
32 Best Local Similarity: 100.00% Mismatches: 0
33 Query Match: 100.00% Indels: 0
34 Gaps: 0
35
36 US-09-856-070-18 (1-5) x US-09-864-761-4165 (1-388)
37
38 QY 1 LysGluGluLeuMet 5
39 DB 247 AAGGAGAGCTCATG 233
40
41 RESULT 12
42 US-09-981-876-28
43 Sequence 28, Application US/09/981876
44 Patent No. US20020164669A1
45 GENERAL INFORMATION:
46 APPLICANT: Rosen et al.
47 TITLE OF INVENTION: 70 Human Secreted Proteins
48 FILE REFERENCE: P2001P1
49 CURRENT APPLICATION NUMBER: US/09/981,876
50 CURRENT FILING DATE: 2001-10-19
51 PRIOR APPLICATION NUMBER: 09/148,545
52 PRIOR FILING DATE: 1998-09-04
53 PRIOR APPLICATION NUMBER: 60/040,162
54 PRIOR FILING DATE: 1997-03-07
55 PRIOR APPLICATION NUMBER: 60/040,333
56 PRIOR FILING DATE: 1997-03-07
57 PRIOR APPLICATION NUMBER: 60/038,621
58 PRIOR FILING DATE: 1997-03-07
59 PRIOR APPLICATION NUMBER: 60/040,161
60 PRIOR FILING DATE: 1997-03-07
61 PRIOR APPLICATION NUMBER: 60/040,626
62 PRIOR FILING DATE: 1997-03-07
63 PRIOR APPLICATION NUMBER: 60/040,334
64 PRIOR FILING DATE: 1997-03-07
65 PRIOR APPLICATION NUMBER: 60/040,336
66 PRIOR FILING DATE: 1997-03-07
67 PRIOR APPLICATION NUMBER: 60/040,163
68 PRIOR FILING DATE: 1997-03-07
69 PRIOR APPLICATION NUMBER: 60/047,615
70 PRIOR FILING DATE: 1997-05-23
71 PRIOR APPLICATION NUMBER: 60/047,600
72 PRIOR FILING DATE: 1997-05-23
73 PRIOR APPLICATION NUMBER: 60/047,597
74 PRIOR FILING DATE: 1997-05-23
75 PRIOR APPLICATION NUMBER: 60/047,502
76 PRIOR FILING DATE: 1997-05-23
77 PRIOR APPLICATION NUMBER: 60/047,633
78 PRIOR FILING DATE: 1997-05-23
79 PRIOR APPLICATION NUMBER: 60/047,583
80 PRIOR FILING DATE: 1997-05-23
81 PRIOR APPLICATION NUMBER: 60/047,617
82 PRIOR FILING DATE: 1997-05-23
83 PRIOR APPLICATION NUMBER: 60/047,618
84 PRIOR FILING DATE: 1997-05-23
85 PRIOR APPLICATION NUMBER: 60/047,503
86 PRIOR FILING DATE: 1997-05-23
87 PRIOR APPLICATION NUMBER: 60/047,592
88 PRIOR FILING DATE: 1997-05-23
89 PRIOR APPLICATION NUMBER: 60/047,581
90 PRIOR FILING DATE: 1997-05-23
91 PRIOR APPLICATION NUMBER: 60/047,584
92 PRIOR FILING DATE: 1997-05-23
93 PRIOR APPLICATION NUMBER: 60/047,500
94 PRIOR FILING DATE: 1997-05-23
95 PRIOR APPLICATION NUMBER: 60/047,587
96 PRIOR FILING DATE: 1997-05-23
97 PRIOR APPLICATION NUMBER: 60/047,492
98 PRIOR FILING DATE: 1997-05-23
99 PRIOR APPLICATION NUMBER: 60/047,598
100 PRIOR FILING DATE: 1997-05-23
101 PRIOR APPLICATION NUMBER: 60/047,613
102 PRIOR FILING DATE: 1997-05-23
103 PRIOR APPLICATION NUMBER: 60/047,582
104 PRIOR FILING DATE: 1997-05-23
105 PRIOR APPLICATION NUMBER: 60/047,596
106 PRIOR FILING DATE: 1997-05-23
107 PRIOR APPLICATION NUMBER: 60/047,612
108 PRIOR FILING DATE: 1997-05-23
109 PRIOR APPLICATION NUMBER: 60/047,632
110 PRIOR FILING DATE: 1997-05-23
111 PRIOR APPLICATION NUMBER: 60/047,601
112 PRIOR FILING DATE: 1997-05-23
113 PRIOR APPLICATION NUMBER: 60/043,580
114 PRIOR FILING DATE: 1997-04-11
115 PRIOR APPLICATION NUMBER: 60/043,568
116 PRIOR FILING DATE: 1997-04-11
117 PRIOR APPLICATION NUMBER: 60/043,314
118 PRIOR FILING DATE: 1997-04-11
119 PRIOR APPLICATION NUMBER: 60/043,569
120 PRIOR FILING DATE: 1997-04-11
121 PRIOR APPLICATION NUMBER: 60/043,311
122 PRIOR FILING DATE: 1997-04-11
123 PRIOR APPLICATION NUMBER: 60/043,671
124 PRIOR FILING DATE: 1997-04-11
125 PRIOR APPLICATION NUMBER: 60/043,674
126 PRIOR FILING DATE: 1997-04-11
127 PRIOR APPLICATION NUMBER: 60/043,669
128 PRIOR FILING DATE: 1997-04-11
129 PRIOR APPLICATION NUMBER: 60/043,312
130 PRIOR FILING DATE: 1997-04-11
131 PRIOR APPLICATION NUMBER: 60/043,313
132 PRIOR FILING DATE: 1997-04-11
133 PRIOR APPLICATION NUMBER: 60/043,672
134 PRIOR FILING DATE: 1997-04-11
135 PRIOR APPLICATION NUMBER: 60/043,315
136 PRIOR FILING DATE: 1997-04-11
137 PRIOR APPLICATION NUMBER: 60/048,974
138 PRIOR FILING DATE: 1997-06-06
139 PRIOR APPLICATION NUMBER: 60/056,886
140 PRIOR FILING DATE: 1997-08-22
141 PRIOR APPLICATION NUMBER: 60/056,877
142 PRIOR FILING DATE: 1997-08-22
143 PRIOR APPLICATION NUMBER: 60/056,889
144 PRIOR FILING DATE: 1997-08-22
145 PRIOR APPLICATION NUMBER: 60/056,893

```

```

; PRIOR FILING DATE: 1997-08-22
; PRIOR APPLICATION NUMBER: 60/056,630
; PRIOR FILING DATE: 1997-08-22
; PRIOR APPLICATION NUMBER: 60/056,878
; PRIOR FILING DATE: 1997-08-22
; PRIOR APPLICATION NUMBER: 60/056,662
; PRIOR FILING DATE: 1997-08-22
; PRIOR APPLICATION NUMBER: 60/056,872
; PRIOR FILING DATE: 1997-08-22
; PRIOR APPLICATION NUMBER: 60/056,882
; PRIOR FILING DATE: 1997-08-22
; PRIOR APPLICATION NUMBER: 60/056,637
; PRIOR FILING DATE: 1997-08-22
; PRIOR APPLICATION NUMBER: 60/056,904
; PRIOR FILING DATE: 1997-08-22
; PRIOR APPLICATION NUMBER: 60/056,888
; PRIOR FILING DATE: 1997-08-22
; PRIOR APPLICATION NUMBER: 60/056,879
; PRIOR FILING DATE: 1997-08-22
; PRIOR APPLICATION NUMBER: 60/056,880
; PRIOR FILING DATE: 1997-08-22
; PRIOR APPLICATION NUMBER: 60/056,894
; PRIOR FILING DATE: 1997-08-22
; PRIOR APPLICATION NUMBER: 60/056,911
; PRIOR FILING DATE: 1997-08-22
; PRIOR APPLICATION NUMBER: 60/056,636
; PRIOR FILING DATE: 1997-08-22
; PRIOR APPLICATION NUMBER: 60/056,874
; PRIOR FILING DATE: 1997-08-22
; PRIOR APPLICATION NUMBER: 60/056,910
; PRIOR FILING DATE: 1997-08-22
; PRIOR APPLICATION NUMBER: 60/056,864
; PRIOR FILING DATE: 1997-08-22
; PRIOR APPLICATION NUMBER: 60/056,631
; PRIOR FILING DATE: 1997-08-22
; PRIOR APPLICATION NUMBER: 60/056,845
; PRIOR FILING DATE: 1997-08-22
; PRIOR APPLICATION NUMBER: 60/056,892
; PRIOR FILING DATE: 1997-08-22
; PRIOR APPLICATION NUMBER: 60/047,595
; PRIOR FILING DATE: 1997-05-23
; PRIOR APPLICATION NUMBER: 60/057,761
; PRIOR FILING DATE: 05-Sep-1997
; PRIOR APPLICATION NUMBER: 60/047,599
; PRIOR FILING DATE: 1997-05-23
; PRIOR APPLICATION NUMBER: 60/047,588
; PRIOR FILING DATE: 1997-05-23
; PRIOR APPLICATION NUMBER: 60/047,585
; PRIOR FILING DATE: 1997-05-23
; PRIOR APPLICATION NUMBER: 60/047,586
; PRIOR FILING DATE: 1997-05-23
; PRIOR APPLICATION NUMBER: 60/047,590
; PRIOR FILING DATE: 1997-05-23
; PRIOR APPLICATION NUMBER: 60/047,594
; PRIOR FILING DATE: 1997-05-23
; PRIOR APPLICATION NUMBER: 60/047,589
; PRIOR FILING DATE: 1997-05-23
; PRIOR APPLICATION NUMBER: 60/047,593
; PRIOR FILING DATE: 1997-04-11
; PRIOR APPLICATION NUMBER: 60/047,614
; PRIOR FILING DATE: 1997-05-23
; PRIOR APPLICATION NUMBER: 60/043,578
; PRIOR FILING DATE: 1997-04-11
; PRIOR APPLICATION NUMBER: 60/043,576
; PRIOR FILING DATE: 1997-04-11
; PRIOR APPLICATION NUMBER: 60/047,501
; PRIOR FILING DATE: 1997-05-23
; PRIOR APPLICATION NUMBER: 60/043,670
; PRIOR FILING DATE: 1997-04-11
; PRIOR APPLICATION NUMBER: 60/056,632
; PRIOR FILING DATE: 1997-08-22
; PRIOR APPLICATION NUMBER: 60/056,664
; PRIOR FILING DATE: 1997-08-22

```

```

; PRIOR APPLICATION NUMBER: 60/056,876
; PRIOR FILING DATE: 1997-08-22
; PRIOR APPLICATION NUMBER: 60/056,881
; PRIOR FILING DATE: 1997-08-22
; PRIOR APPLICATION NUMBER: 60/056,904
; PRIOR FILING DATE: 1997-08-22
; PRIOR APPLICATION NUMBER: 60/056,875
; PRIOR FILING DATE: 1997-08-22
; PRIOR APPLICATION NUMBER: 60/056,862
; PRIOR FILING DATE: 1997-08-22
; PRIOR APPLICATION NUMBER: 60/056,887
; PRIOR FILING DATE: 1997-08-22
; PRIOR APPLICATION NUMBER: 60/056,908
; PRIOR FILING DATE: 1997-08-22
; PRIOR APPLICATION NUMBER: 60/048,964
; PRIOR FILING DATE: 1997-06-06
; PRIOR APPLICATION NUMBER: 60/057,550
; PRIOR FILING DATE: 1997-09-05
; PRIOR APPLICATION NUMBER: 60/056,884
; PRIOR FILING DATE: 1997-08-22
; NUMBER OF SEQ ID NOS: 280
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 28
; LENGTH: 391

Alignment Scores:
  Pred. No.: 210
  Score: 24.00
  Percent Similarity: 100.00%
  Best Local Similarity: 100.00%
  Query Match: 100.00%
  DB: 9
  Length: 391

US 09-856-070-18 (1-5) x US-09-981-876 28 (1-391)

QY 1 LysGluGluLeuMet 5
Db 7 AAAGAGGAAGTATG 21

RESULT 13
US-10-079-623-23
; Sequence 43, Application US/100/9623
; Patent No. US20020169302A1
; GENERAL INFORMATION:
; APPLICANT: Havukkala, Ilkka J.
; APPLICANT: Glenn, Matthew
; APPLICANT: Grigor, Murray R.
; APPLICANT: Molenaar, Adrian J.
; TITLE OF INVENTION: Compositions isolated from bovine
; FILE REFERENCE: 11000.1044c3
; CURRENT APPLICATION NUMBER: US/10/079,623
; NUMBER OF SEQ ID NOS: 370
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 23
; TYPE: DNA
; ORGANISM: Bovine
US-10-079-623-23

Alignment Scores:
  Pred. No.: 217
  Score: 24.00
  Percent Similarity: 100.00%
  Best Local Similarity: 100.00%
  Query Match: 100.00%
  DB: 9
  Length: 404

US-09-856-070-18 (1-5) x US-10-079-623-23 (1-404)

QY 1 LysGluGluLeuMet 5
Db 7 AAAGAGGAAGTATG 21

```

Db 177 AAGGAAGAACTCATG 191

RESULT 14

US-09-864-761-4582

Sequence 4582, Application US/09864761

Patent No. US20020048763A1

GENERAL INFORMATION:

APPLICANT: Penn, Sharon G.

APPLICANT: Rank, David R.

APPLICANT: Hanzel, David K.

APPLICANT: Chen, Weisheng

TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR

TITLE OF INVENTION: GENE EXPRESSION ANALYSIS BY MICROARRAY

FILE REFERENCE: Acomica X-1

CURRENT APPLICATION NUMBER: US 09/864,761

CURRENT FILING DATE: 2001-05-23

PRIOR APPLICATION NUMBER: US 60/180,312

PRIOR FILING DATE: 2000-02-04

PRIOR APPLICATION NUMBER: US 60/207,456

PRIOR FILING DATE: 2000-05-26

PRIOR APPLICATION NUMBER: US 09/632,366

PRIOR FILING DATE: 2000-08-03

PRIOR APPLICATION NUMBER: GB 2426336

PRIOR FILING DATE: 2000-10-04

PRIOR APPLICATION NUMBER: US 60/236,359

PRIOR FILING DATE: 2000-09-27

PRIOR APPLICATION NUMBER: PCT/US01/00666

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00667

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00665

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00668

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00663

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00662

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00661

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00670

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: US 60/234,687

PRIOR FILING DATE: 2000-09-21

PRIOR APPLICATION NUMBER: US 09/608,408

PRIOR FILING DATE: 2000-06-30

PRIOR APPLICATION NUMBER: US 09/774,203

PRIOR FILING DATE: 2001-01-29

NUMBER OF SEQ ID NOS: 4917

SOFTWARE: Annonax Sequence Listing Engine vers. 1.1

SEQ ID NO 4582

LENGTH: 472

TYPE: DNA

ORGANISM: Homo sapiens

FEATURE:

OTHER INFORMATION: MAP TO AL080412.4

OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL - 23

OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL - 0.91

OTHER INFORMATION: EXPRESSED IN HONE MARROW, SIGNAL - 1

OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL - 0.93

US-09-864-761-4582

Alignment Scores:

Pred. No.:	258	Length:	472
Score:	24.00	Matches:	5
Percent Similarity:	100.00%	Conservative:	0
Best Local Similarity:	100.00%	Mismatches:	0
Query Match:	100.00%	Indels:	0
DB:	10	Gaps:	0

US-09-864-761-4765

Sequence 4765, Application US/09864761

Patent No. US20020048763A1

GENERAL INFORMATION:

APPLICANT: Penn, Sharon G.

APPLICANT: Rank, David R.

APPLICANT: Hanzel, David K.

APPLICANT: Chen, Weisheng

TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR

TITLE OF INVENTION: GENE EXPRESSION ANALYSIS BY MICROARRAY

FILE REFERENCE: Acomica X-1

CURRENT APPLICATION NUMBER: US 09/864,761

CURRENT FILING DATE: 2001-05-23

PRIOR APPLICATION NUMBER: US 60/180,312

PRIOR FILING DATE: 2000-02-04

PRIOR APPLICATION NUMBER: US 60/207,456

PRIOR FILING DATE: 2000-05-26

PRIOR APPLICATION NUMBER: US 09/632,366

PRIOR FILING DATE: 2000-08-03

PRIOR APPLICATION NUMBER: GB 2426336

PRIOR FILING DATE: 2000-10-04

PRIOR APPLICATION NUMBER: US 60/236,359

PRIOR FILING DATE: 2000-09-27

PRIOR APPLICATION NUMBER: PCT/US01/00666

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00667

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00665

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00668

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00663

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00662

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00661

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00670

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: US 60/234,687

PRIOR FILING DATE: 2000-09-21

PRIOR APPLICATION NUMBER: US 09/608,408

PRIOR FILING DATE: 2000-06-30

PRIOR APPLICATION NUMBER: US 09/774,203

PRIOR FILING DATE: 2001-01-29

NUMBER OF SEQ ID NOS: 4917

SOFTWARE: Annonax Sequence Listing Engine vers. 1.1

SEQ ID NO 4765

LENGTH: 484

TYPE: DNA

ORGANISM: Homo sapiens

FEATURE:

OTHER INFORMATION: MAP TO AC008070.2

OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL - 2

OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL - 0.96

US-09-864-761-4765

Alignment Scores:

Pred. No.:	255	Length:	484
Score:	24.00	Matches:	5
Percent Similarity:	100.00%	Conservative:	0
Best Local Similarity:	100.00%	Mismatches:	0
Query Match:	100.00%	Indels:	0
DB:	10	Gaps:	0

Best Local Similarity: 100.00% Mismatches: 0
 Query Match: 100.00% Indels: 0
 DB: 10 Gaps: 0

US-09-856-070-18 (1-5) x US-09-864-761-4765 (1-484)

QY 1 lysCluCluMet 5

Db 84 AAAGAGGAATTATG 98

Search completed: January 16, 2003, 21:46:03
 Job time : 20.4286 secs

